

Environmental Management

The Associate Diploma in Environmental Management program combines the technical knowledge and practical skills training required to succeed in a career in municipal/industrial operations (water/wastewater, etc.) or in areas of conservation and agricultural stewardship. The program balances classroom education in environmental science and law with practical techniques learned in both indoor working labs and outdoor field studies. Students can choose to complete the provincial MECP certification examinations (OIT - Water, Wastewater; Entry Level Drinking Water Operator) as well as industry certification examinations (OACETT) during their studies.

University of Guelph Advantage

The Ontario Agricultural College (OAC) of the University of Guelph is internationally renowned for its research, teaching and knowledge extension. In this two-year program students learn about sustainable practices through an on-site anaerobic digester and farm operations. Students gain the tangible skills to work in two distinct areas: municipal/industrial or rural/agricultural environmental protection and management. The program provides students with a strong foundation in environmental management principles and practices, including topics such as sustainability, ecology, environmental law, and risk assessment.

The co-op work term is scheduled after the second academic semester, providing a foundation on which to build the work experience.

Student Strengths

- Broad-base knowledge and understanding of environmental issue facing society today
- Combine applied and practical experiences with lectures and labs
- Ability to apply analytical and problem-solving skills through teamwork to analyze the current industry issues and how to solve them
- Strong oral and written communication experience

ENVIRONMENTAL MANAGEMENT COURSE SEQUENCING

YEAR	FALL (SEPTEMBER - DECEMBER)	WINTER (JANUARY - APRIL)	SUMMER (MAY - AUGUST)
ONE	<ul style="list-style-type: none"> • INTRODUCTION TO COOPERATIVE EDUCATION • COMMUNICATIONS & SOFTWARE APPLICATIONS I • ENVIRONMENTAL SCIENCE AND ISSUES • MATHEMATICS FOR ENVIRONMENTAL OPERATORS • WATER RESOURCE MANAGEMENT • ENVIRONMENTAL MONITORING • INTRODUCTION TO APPLIED MICROBIOLOGY 	<ul style="list-style-type: none"> • COMMUNICATIONS & SOFTWARE APPLICATIONS II • ENVIRONMENTAL LAW AND ETHICS • OCCUPATIONAL HEALTH AND SAFETY • SOIL AND WATER USE IN AGREOSYSTEMS • 2 RESTRICTED ELECTIVES 	<p>WORK TERM</p>
TWO	<ul style="list-style-type: none"> • SPILS AND CONTAMINATION SITE REMEDIATION • ECOLOGY • INTRODUCTION TO GIS • BUSINESS PRACTICES AND COMPLIANCE • 2 ELECTIVES OR RESTRICTED ELECTIVES 	<ul style="list-style-type: none"> • HUMAN RESOURCE MANAGEMETN • DATA ANALYSIS AND STATISTICS • ENVIRONMENTAL PROJECT • 3 ELECTIVES OR RESTRICTED ELECTIVES 	

RESTRICTED ELECTIVES:

Students must select a minimum of 3.50 credit from lists of restricted electives. Please see current Undergraduate Calendar for full list of restricted electives.

BASED ON THE 2022/23 ASSOCIATE DIPLOMA CALENDAR

PLEASE SEE THE CURRENT ASSOCIATE DIPLOMA CALENDAR FOR MORE INFORMATION